

Date: Sat, 4 Sep 93 09:09:55 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1048
To: Info-Hams

Info-Hams Digest Sat, 4 Sep 93 Volume 93 : Issue 1048

Today's Topics:

37749
alinco dj-580 repair
Dual Band Handies?
IC229H low audio problem
I can't find my original license
Icom IC765 COMPRESSOR PROBLEM?
Public Relations Info Needed
Re IC765 speech processor problem.
Repeater Directories?
Training exercises for MorseTrainer US-1.0.3
W9GR DSP KIT ??
What A Mess Already
when and where is HAMFEST in DC and surrounding areas?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 4 Sep 93 23:42:09 NZST
From: waikato!comp.vuw.ac.nz!newshost.wcc.govt.nz!med.wcc.govt.nz!
palmer@decwrl.dec.com
Subject: 37749
To: info-hams@ucsd.edu

Help !!!

I did the exam today and I can't match up a few answers

Can u pse help??

Q 80. A moving coil meter responds to :-

- A. the peak value of the current passing through it.
- B. the RMS value of the current passing through it.
- C. the average value of the current passing through it.
- D. the square of the current passing through it.

(It doesnt say AMMETER but the answers talk about current. Have they forgotten something?

Q71. The reactance of a 0.1mH inductor at a frequency of 3.5MHz is approx :-

- A. 2.199 ohms
- B. 2 199 ohms
- C. 219 900 ohms
- D. 2 199 000 ohms

(Notice they used a space instead of a ,)

Q21 An in-line AWR meter operates by sensing:-

- A. the characteristic impedance of the line.
- B. the transmitter output impedance
- C. the line voltage and the line current
- D. the square of the line current

```
-----
/-/-/-/-/      |      From John M Palmer
/-/-/-/-/      /---/---/      EMAIL PALMER@MED.WCC.GOVT.NZ
      |          x          |
/---/--/      x      /---/---/      QTH Newlands, Wellington
      x          .      --x--      x      NEW ZEALAND
      -x          |          x          x      Maidenhead Location RE78
      x          |          _x          x      Call sign WN331 or WN332
      x-----|-----||x          x
      /          ||x\      /      \      Scanning enthusiasts do it
/------/||x\      /---\      with frequency.
| [ ] [ ] ## [ ] ||x | || | | || If I'd wanted to work with clowns,
|          ## | ||x | || | | || I'd have joined a circus!!!
-----
```

```
-- I think I've got the hang of it now .... :w :q :wq :wq! ^d X exit ^X^C ~.
^[x X Q :quitbye CtrlAltDel ~~q :~q logout save/quit :!QUIT ^[zz ^[ZZ
ZZZZ ^H ^@ ^L ^[c $q ^# ^E ^X ^I ^T ? help helpquit ^D ^d ^C ^c help
^]q exit ?Quit ?q
```

Date: Fri, 3 Sep 1993 19:33:41 GMT
From: swrinde!sdd.hp.com!hpscit.sc.hp.com!hpuerca.atl.hp.com!edh@network.ucsd.edu
Subject: alinco dj-580 repair
To: info-hams@ucsd.edu

In <00971FCE.C094A480.13610@lambic.fnal.gov> isenhour@lambic.fnal.GOV (John L. Isenhour) writes:

>My alinco dj-580t has lost the speaker on one of the bands, this occurred while
>using a headset. You can see that its getting a signal, but no audio. Any
>ideas on how to fix this? Where is a good place to send it for repairs?

Unabashed plug: Alinco service is fast, friendly, and as good as it gets. BTW, check your guarantee: you may still be covered.

Another BTW: you don't need any pre-authorizations. etc. Just pack it up with a description of the problem and info on how they can get back with you.

Cheers & 73 Ed Humphries N5RCK

Date: Fri, 3 Sep 1993 19:48:58 GMT
From: swrinde!sdd.hp.com!hpscit.sc.hp.com!hpuerca.atl.hp.com!edh@network.ucsd.edu
Subject: Dual Band Handies?
To: info-hams@ucsd.edu

In ep2.061403.14396@usl.edu> cfm1471@ucs.usl.edu (Morrison Charles F) writes:

>Charlie

>Charles Morrison KI5XP

Internet: ki5xp@ucs.usl.edu

Marc, I, and a LOT of other hams are satisfied and happy users of the DJ-580T radio. There are two of them in my family, bought only after careful research and comparison. The second one came about for me because of the great satisfaction my wife was getting out of hers! And YES, we've used other brands, including a Standard Dual-bander.

Do not let Charlie's sour grapes spoil what _may_ be your choice radio. DO enjoy what you get based on what you want in features

and compared on a price/performance basis against your budget.

Cheers & 73 Ed Humphries N5RCK

Date: Fri, 3 Sep 1993 19:20:41 GMT
From: swrinde!sdd.hp.com!hpscit.sc.hp.com!hpuerca.atl.hp.com!edh@network.ucsd.edu
Subject: IC229H low audio problem
To: info-hams@ucsd.edu

In <1993Sep2.210417.4491@njitgw.njit.edu> fab4536@hertz.njit.edu (Freddy A. Balady) writes:

>I seem to have a low audio problem with my Icom 229h. If I swallow
>the microphone, the audio does get better. But at a normal distance
>of 1 or 2 inches, it is way too low. Has anyone else experienced this
>problem? If so, what was the remedy?

I've heard of In-the-Ear mic's, but In-the-Throat? :-)

Ed Humphries, N5RCK

Date: 3 Sep 93 14:23:42 GMT
From: att-out!cbfsb!cbnews!cbnewst!cbnewsm!hellman@RUTGERS.EDU
Subject: I can't find my original license
To: info-hams@ucsd.edu

In article <CCqErJ.AGr@feenix.metronet.com>, marcbg@feenix.metronet.com (Marc Grant) writes:

> In article <MAS.93Sep1151726@porgy.jpl.nasa.gov> mas@porgy.jpl.nasa.gov
> (Marc A. Sarrel) writes:
> >I'm looking forward to upgrading from Tech Classic to General sometime
> >soon, but I can't find my original FCC license to take with me to the
> >exam. I have a photocopy that I carry with me, but not the original.
> >What am I to do?
> >Can I get the FCC to issue a replacement original, or will the
> >examiners most likely accept a photocopy anyway?
> >Marc
>
>
> If you are a Tech+ and have credit for the 5 WPM, then you will definitely
> need your CSCE to prove 5WPM credit since your license will have a new
> date on it. If you can't find a CSCE, and you've been licensed a while,
> perhaps carrying in a callbook might help with your original license.

>

Nope, don't need to carry no callbook. A new date would also be on a recent renewal. You just claim credit for the 5 wpm and the VEC and FCC will have to verify it. The FCC is supposed to keep records which indicate who has the 5 wpm technician credit even tho the license doesn't. They created this problem so they have to live with it. So: do send a 610 to the FCC requesting a replacement for your lost ticket, and go take that exam explaining that you lost the original and you're waiting for the replacement. The VEC will hold everything (they will send you mail confirming that and handle it all through the mail with you) GOOD LUCK!!

Shel WA2UBK dara@physics.att.com

Date: Fri, 3 Sep 1993 10:12:01 GMT
From: pravda.sdsc.edu!news.cerf.net!usc!sdd.hp.com!apollo.hp.com!hpwin052!hpqmoa!dstock@network.ucsd.edu
Subject: Icom IC765 COMPRESSOR PROBLEM?
To: info-hams@ucsd.edu

Once high level RF gets into the box on a cable heading for the main/IF PCB it can do anything !

You could try some rf filtering in the plug for the ACC socket, you certainly don't need RF bandwidth on ant inputs/outputs to a TNC. I hate DIN plugs, the shell contact may be iffy, so you may need a thick ground connection to somewhere trustworthy on the set.

My radio on CW with hot RF in the shack could lock up in transmit mode, due to pick up on the key lead.

This is the sort of problem that responds to "abit of improvement here, a bit there" try some screening, some filtering and also reducing the field in the shack. To try to fix by only one method could require heroic measures.

Cheers

David GM4ZNX

Date: 3 Sep 1993 00:53:32 -0400
From: agate!howland.reston.ans.net!noc.near.net!news.delphi.com!news.delphi.com!not-for-mail@ames.arpa
Subject: Public Relations Info Needed
To: info-hams@ucsd.edu

t.wright@msuacad.morehead-st.EDU (TIM WRIGHT) writes:

>Hello again fellow Hams

>1. This post is being forwarded to ARRL.HQ

>I am in need of PR information to start a membership drive here

>on our campus. I will be forming a University / Public Service

>/ Hobbie PR article for our F/S news paper and our Student News paper.

>This news item, hopefully will also be aired on the campus NPR Radio station

>Any information you can give or advice <goodness, stuck my foot in my mouth on

>this one> to offer please let me know.

>One piece of GOOD NEWS I found out about over the weekend is that

>a Fellow Amateur in the Ashland/Flatwoods Kentucky area is going to give

>the Greenup County Kentucky Rescue Squad Members a 2 day class on the

>NO Code Tech and then the evening of the second night of classes test them

>for their license.

>I think this is a good thing.

>73's

>Tim Wright KD40VM

>INTERNET: T.Wright@msuacad.morehead-st.edu

>FREENET: twright@freenet.scri.fsu.edu

> twright@freenet.fsu.edu

> twright@freenet.tlh.fl.us

Tim,

Call all the media folks you can think of. Describe to them how the club will help the community and what interest or projects local HAMS have already undertaken to help the community. Might include providing 2-meter communications at local events, first aid, etc.

Show them the exciting aspects of the hobby and how it can help us develop future scientists and engineers upon which this economy and country rely so much.

Send a good, short news item to the community calendar section of all the newspapers and electronic media that carry such public interest sections with details of when a get acquainted meeting will be held.

If you have a local shopping mall or other visible area, set up a display of HAM radion equipment in a way that will attract public interest and seem exciting.Show how closely connected HAM radio and computers are.

I hope these suggestions will help you get the ball rolling.

Good Luck!

Monte Olsen
former info rep at a large hospital in Portland,OR.
N7FFO

Date: Fri, 3 Sep 1993 10:21:07 GMT
From: pravda.sdsc.edu!news.cerf.net!usc!sdd.hp.com!apollo.hp.com!hpwin052!hpqmoea!
dstock@network.ucsd.edu
Subject: Re IC765 speech processor problem.
To: info-hams@ucsd.edu

The PSU in my 765 talks on transmit, it's a switcher and responds quite quickly to the LF components of the power demand following the SSB and I can hear what might be magnetic core/ winding movements speaking. There is also a little noise that seems to be from the speaker itself

Cheers

David GM4ZNX

Date: Fri, 3 Sep 1993 01:38:17 GMT
From: dog.ee.lbl.gov!agate!tcsi.tcs.com!iat.holonet.net!bwilkins@network.ucsd.edu
Subject: Repeater Directories?
To: info-hams@ucsd.edu

tomb@lsid.hp.com (Tom Bruhns) writes:

: The ARRL book lists repeater by location, but often the
: location is a mountain or hill that only the locals have heard of, or
: a tiny city that I'd have to search on the map for. Having the repeaters
: pinpointed on a map already is a great help.
:
: The company that publishes them advertises in QST (and other ham rags, I
: believe). Besides individual state maps, they have an atlas of all of
: them.
:

I wonder how they put the 1500+ repeaters in California on one page?
San Jose in the heart of the silicon valley must have at least 250
repeaters. Some are High level some are garage boxes...the coverage up and
down the highways is different for each.

The real question one should allways ask is: What area does the repeater
reliably cover, not where it is located.

--

Bob Wilkins n6fri voice 440.250+ 100pl san francisco bay area
bwilkins@holonet.net packet n6fri @ n6eeg.#nocal.ca.usa.na

Date: 4 Sep 1993 15:51:47 GMT
From: usc!cs.utexas.edu!uwm.edu!spool.mu.edu!agate!library.ucla.edu!
news.mic.ucla.edu!unixg.ubc.ca!dunn@network.ucsd.edu
Subject: Training exercises for MorseTrainer US-1.0.3
To: info-hams@ucsd.edu

Greetings Vacuumland

I've been following with interest the discussions of operators who have successfully achieved proficiency using software Morse trainers. I have viewed several programmes and the one which to me seems to emulate the sound I associate with Morse is MorseTrainer US-1.0.3 for the Mac. It appears to be a very professional piece of software but it is shy of training exercises. Would anybody please suggest sources of training exercises either for this software specifically or some text I could adapt. As with typing and adding machine techniques, there must be some standard Morse practice exercises available for the crass beginner!

Thanks!

Malcolm
dunn_m@architecture.ubc.ca

Newsgroups: rec.radio.amateur.misc
Subject: Training exercises for MorseTrainer US-1.0.3
Summary:
Expires:
Sender:
Followup-To:
Distribution:
Organization: University of British Columbia, Vancouver, B.C., Canada
Keywords:

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Keywords:

Date: 4 Sep 93 11:02:09 EDT
From: psinnntp!arrl.org@uunet.uu.net
Subject: W9GR DSP KIT ??
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, cecilmo@news.delphi.com (CECILMOORE@DELPHI.COM)

writes:

>

>Marc, DSP theory suggests that a serious CW operator will not be satisfied
>with the available 50 db dynamic range from an 8-bit A/D. Timewave has
>vastly superior hardware with a 16-bit sigma-delta A/D...KG7BK

Ever work out the signal to noise ratio you get from a typical
superhetrodyne receiver, where noise is easily predicted thermal
noise and distortion products? 50 dB is actually quite good.

SSB is a whole lot worse on paper. Remember, seeing IMD products
30 dB down isn't unusual, and this is before your transmit signal
leaves the antenna! Admittedly, I've seen quite a bit better,
but how many people run class A power MOSFETs in their final
amplifier?

Zack Lau KH6CP/1

Internet: zlau@arrl.org "Working" on 24 GHz SSB/CW gear
Operating Interests: 10 GHz CW/SSB/FM
US Mail: c/o ARRL Lab 80/40/20 CW
225 Main Street Station capability: QRP, 1.8 MHz to 10 GHz
Newington CT 06111 modes: CW/SSB/FM/packet
amtor/baudot
Phone (if you really have to): 203-666-1541

Date: Thu, 02 Sep 93 22:01:47 GMT
From: psinntp!laidbak!tellab5!balr!ttd.teradyne.com!news@uunet.uu.net
Subject: What A Mess Already
To: info-hams@ucsd.edu

In article <CCLw1F.CH3@world.std.com>, dts@world.std.com (Daniel T Senie) writes:

>It really burns some that the CW operators use up 50 or 60 kHz of the
>band, for a single encoding scheme, where the digital folks use less
>than 30khz in common usage for RTTY, Amtor, Pactor, clover, etc. The
>digital modes RARELY extend below 14.060, with occasional exceptions
>during the few RTTY contests a year.
>

Don't understand what you're describing here. What CW mode uses up
50khz ? CW doesn't use any 'encoding' schemes. You turn the transmitter
on, you turn the transmitter off. It emits a single wave on a single
frequency. Very little bandwidth - certainly not 'anywhere' near 50khz.
Geezzz SSB's only 2.5khz of bandwidth, or so.

When I ran 'generic' RTTY, I don't think my bandwidth was over a few hundred hz. What are you running ?

John Rice - K9IJ		"Did I say that ?" I must have, but It was
rice@ttd.teradyne.com		MY opinion only, no one else's...Especially
		Not my Employer's.... Licensed since 1959
(708)-438-5065 - (bbs)		Ex: K8YZR, KH6GHC, WB9CSP, W9MMB, WA1TXV

Date: 4 Sep 93 11:59:29 GMT
From: news!clarknet.clark.net!andy@uunet.uu.net
Subject: when and where is HAMFEST in DC and surrounding areas?
To: info-hams@ucsd.edu

... (sinniah@wam.umd.edu) wrote:
: Hi:

: COuld some one let me know as to when and where the next HAMFEST is
: to be held in DC and surrounding ares? I know there is one supposed to be
: in Gaithersburg sometime in September. I would appreciate a date and a location
: please.

The "Gaithersburg Hamfest", sponsored by the Foundation for Amateur Radio, will be held Sunday, September 12, at the Montgomery County Fairgrounds in Gaithersburg. This is probably THE largest hamfest in the D.C. area. -k4adl

"Goodbye, and thanks for the radio," said Tom with a short wave.

Date: Fri, 3 Sep 1993 00:34:51 GMT
From: dog.ee.lbl.gov!agate!spool.mu.edu!howland.reston.ans.net!gatech!kd4nc!ke4zv!gary@network.ucsd.edu
To: info-hams@ucsd.edu

References <1993Aug31.174913.2525@pixar.com>,
<1993Sep1.042041.23099@ke4zv.atl.ga.us>,
<1993Sep2.174737.15797@TorreyPinesCA.ncr.com>
Reply-To : gary@ke4zv.UUCP (Gary Coffman)

Subject : Re: Semi-automatic operation on HF

In article <1993Sep2.174737.15797@TorreyPinesCA.ncr.com>
kevin@TorreyPinesCA.ncr.com (Kevin Sanders) writes:

>
>I'm glad you have this all figured out, Gary ;-) However you could not be
>more wrong. I won't turn this thread into another dead horse kickathon by
>arguing about Morse testing, but I will say that if the CW-only areas of
>the bands are ever shared with the automated-digital folks, it will *not*
>endanger the manual-digital species. It may, however, force us to spread
>out into other areas of the band *where we are entitled to operate* rather
>than remaining in our segregated bandspace. Now which would you rather have?

That's not a problem. In fact CW transmissions in the 75 meter phone
segment are becoming common for some reason in the 3850 area. Notch
filters do a great job of dealing with them. The narrow notch doesn't
hurt SSB intelligibility at all, but sure gets rid of the beeping.
Some of the newer DSP filters can even deal with multiple carriers.
There are technical solutions to multimodal operation, regulation is
not needed.

Gary

--

Gary Coffman KE4ZV	"If 10% is good enough gatech!wa4mei!ke4zv!gary
Destructive Testing Systems	for Jesus, it's good uunet!rsiatl!ke4zv!gary
534 Shannon Way	enough for Uncle Sam." emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244	-Ray Stevens

Date: Fri, 3 Sep 1993 00:19:02 GMT

From: dog.ee.lbl.gov!agate!howland.reston.ans.net!gatech!kd4nc!ke4zv!

gary@network.ucsd.edu

To: info-hams@ucsd.edu

References <CCoADI.GwD@pica.army.mil>, <1993Sep2.051554.28530@ke4zv.atl.ga.us>,
<1993Sep2.134100.26098@rsg1.er.usgs.gov>

Reply-To : gary@ke4zv.UUCP (Gary Coffman)

Subject : Re: Non-licensed purchase of radio

In article <1993Sep2.134100.26098@rsg1.er.usgs.gov> bodoh@dgg.cr.usgs.gov (Tom
Bodoh) writes:

>
>On a somewhat related note, I was told by a Radio Shack manager that they
>are instructed to refuse to sell you a scanner if you ask or say anything
>about monitoring cellular. Why are they so cautious about that and yet
>sell amateur, marine and itinerant/GMRS transceivers without even
>mentioning licenses...

Well, that's different. If the customer makes his *intent* to commit a criminal act clear, and you still persist in aiding him in committing that act, then you become an accessory before the fact. For example, a hardware store clerk can sell a person a crowbar, but if the customer says that he wants the crowbar to break into someone's home, selling the crowbar to them then opens the clerk and store to legal liability.

If the customer came in wanting to buy an amateur, marine, or GMRS transceiver, *and stated he intended to use it illegally*, then the same liability could exist. As long as the customer *doesn't* indicate he intends to break the law, mere possession of such equipment isn't a crime. (With certain limited exceptions.)

This is an area where the law becomes slippery. Conspiracy, accessory before the fact, and other such crimes depend on the *intent* of the parties involved, often a difficult thing to prove or defend against. The corporate lawyers are just trying to protect their asses against possible legal action in the cellular phone arena because that's a hot topic in legal circles now.

Gary

--

Gary Coffman KE4ZV	"If 10% is good enough	gatech!wa4mei!ke4zv!gary
Destructive Testing Systems	for Jesus, it's good	uunet!rsiatl!ke4zv!gary
534 Shannon Way	enough for Uncle Sam."	emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244	-Ray Stevens	

Date: Fri, 3 Sep 1993 10:51:49 GMT
From: agate!howland.reston.ans.net!vixen.cso.uiuc.edu!moe.ksu.ksu.edu!
hobbes.physics.uiowa.edu!news.uiowa.edu!icaen.uiowa.edu!drenze@ames.arpa
To: info-hams@ucsd.edu

References <1993Sep2.051554.28530@ke4zv.atl.ga.us>,
<1993Sep2.134100.26098@rsg1.er.usgs.gov>, <1993Sep3.001902.3137@ke4zv.atl.ga.us>ze
Subject : Re: Non-licensed purchase of radio

gary@ke4zv.atl.ga.us (Gary Coffman) writes:

>Well, that's different. If the customer makes his *intent* to commit a
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>that act, then you become an accessory before the fact. For example,
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>transceiver, *and stated he intended to use it illegally*, then the
>same liability could exist. As long as the customer *doesn't* indicate
>he intends to break the law, mere possession of such equipment isn't
>a crime. (With certain limited exceptions.)

Hrm...question, though...and this is just my understanding of the law, so
it may be flawed...I was under the impression that it wasn't illegal to *monitor*
the 800-mHz (?) cellular band, just to use any info garnered for profit.

Can anybody tell me for sure?

Peace es 73 de Doug N0Y??
02W 04D 18H 52M and counting...

```
--  
--  /|  | Douglas J Renze          | Charter Member, Popular Front  
'o.O'  | +1 319 337 4664          | for Revolutionary Darwinism:  
=(__)=  | drenze@isca.uiowa.edu    |  
  U     | Douglas-Renze@uiowa.edu  | Evolution Now!
```

End of Info-Hams Digest V93 #1048
